# DYNAMIC LOAD DISTRIBUTION METHOD FOR PARALLEL COMPUTER


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**- European:**

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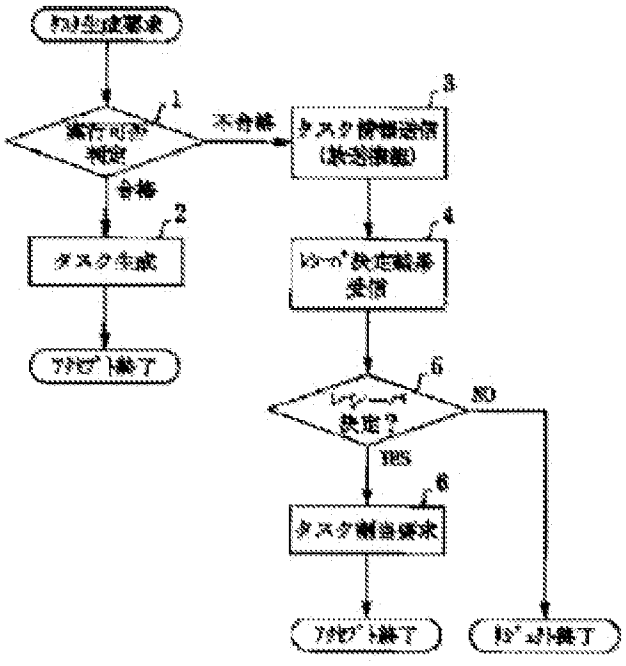
Abstract of **JP9237256**

PROBLEM TO BE SOLVED: To reduce the quantity of load to be required for dynamic load distribution and to improve the efficiency of processing by executing dynamic load distribution so as to request task allocation to another processor after judging that a certain processor can not process a request task newly generated in the processor itself. SOLUTION: When a task generation request is generated in a certain processor, the processor executes practicability/impracticability judgement for the task based upon load information and task information (1). At the time of judging impracticability, the generated request task information 15 transmitted to all other processors by a broadcasting function (3). A receiver candidate receiving the task information judges whether it has qualification for substituting the processing of the task or not based upon the load information, at the time of judging it as a qualified processor, transmits the judged result to all other qualified processors by a multi-casting function. Each qualified processor judges qualification based upon the judged results of all the qualified processors and determines a receiver. Then task allocation is requested to the determined receiver (6).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